

ESP-6000™ Energy Storage Platform

Deeya Energy Inc.



TECHNOLOGY

Deeya Energy is commercializing the L-Cell redox flow technology originally developed by NASA, combining the electrochemical efficiency of a battery with the bulk energy capacity of a fuel cell in a robust, low-cost product platform.

COMMERCIAL APPLICATION

- ◆ Critical infrastructure support in low-availability electric service areas. Initial ESP-6000™ deployment is focused on base transceiver stations in India, enabling cell phone companies to leapfrog traditional telephone lines and making information and voice services available to the rural population.
- ◆ The field-rugged, deep cycling design also enhances renewable penetration to reduce diesel engine utilization.

SOCIAL / ECONOMIC BENEFIT

- ◆ The availability of Information and voice services in rural communities offers tremendous local benefits, ranging from weather forecasting to product pricing.
- ◆ Increased renewable penetration significantly improves quality of life through reduced pollutants and noise.



The ESP-6000™ Energy Storage Platform. These can increase renewable penetration, which would reduce the amount of pollution.

NASA APPLICATIONS

Storage batteries can be displaced installations in uninterruptable power supplies. This would represent a number of potential NASA applications in ground based units.